

***LineUp With Math™* Alignment**
Illinois Learning Standards
Stage I - Mathematics (Grades 8, 9 & 10)

State Goal 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.

C. Select and use appropriate technology, instruments, and formulas to solve problems, interpret results, and communicate findings. (*Progression from selection of appropriate tools and methods to application of measurements to solve problems*)

7.C.4c Convert within and between measurement systems and monetary systems using technology where appropriate.

Descriptor

7. Solve simple problems involving multiple rates, measures and conversions

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

State Goal 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.

C. Determine, describe and apply the probabilities of events. (*Probability, including counting techniques*)

10.C.4b Design and conduct simulations (e.g., waiting times at restaurant, probabilities of births, likelihood of game prizes), with and without the use of technology.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.